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STANDARD FORM NO. 64

CONFIDENTIAL

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Research and Development Branch, OC-E DATE: File T.O. 3 Rev

25X1

FROM : Chief, Installation and Maintenance Branch, OC-E

SUBJECT: Audio Response - [redacted] Line [redacted] 25X1

REFERENCE: R&D-003 25X1

25X1

1. Per your request, a frequency response curve was made on the [redacted] telephone line. [redacted] between Room 1208 "L" Building, and [redacted] A constant 1.73V, 0-DB, and .778V, 0-DBM input was inserted at frequencies from 150 to 3200 cycles. The line was terminated with a 600 ohm load at [redacted] The results are listed on Attachment "A". 25X1 25X1 25X1

2. The information listed on Attachment "B" is a line equalization curve of the [redacted] telephone line using 1000 cycles as a zero reference level. 25X1

[redacted] 25X1

Attachments:
Attachment "A" (2)
Attachment "B" (2)

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ATTACHMENT "A"

Cycles	DB.	Volt	Cycles	DBM	Volt
150	-32	.047	150	-30	.025
200	-29	.06	200	-26	.039
300	-12.5	.42	300	-13.3	.17
350	-10.5	.5	350	-11.3	.21
400	-10	.54	400	-10.7	.225
450	-9.5	-57	450	-10	.245
500	-9.3	.59	500	-10.5	.23
550	-9	.62	550	-10	.24
600	-8.9	.63	600	-9.7	.255
650	-8.5	.65	650	-9.4	.262
700	-8.4	.66	700	-9	.27
750	-8.2	.675	750	-8.9	.28
800	-8.1	.68	800	-8.5	.29
850	-7.2	.7	850	-8	.32
900	-7.2	.7	900	-8	.32
950	-7.2	.7	950	-8	.32
1000	-7.2	.7	1000	-8	.32
1100	-7.2	.7	1100	-8	.32
1200	-7.2	.7	1200	-8	.32
1300	-8.1	.68	1300	-8.4	.29
1400	-8.4	.66	1400	-8.8	.282
1500	-8.5	.655	1500	-8.9	.28
1600	-8.5	.655	1600	-8.9	.28
1700	-8.9	.63	1700	-9	.275
1800	-9.5	.575	1800	-9.9	.25
1900	-9.5	.57	1900	-9.9	.25
2000	-9.5	.57	2000	-9.5	.262
2100	-9.3	.56	2100	-10.5	.23
2200	-10	.545	2200	-10.8	.222
2300	-9.4	.56	2300	-9.8	.25
2400	-10	.54	2400	-10.4	.232
2500	-11	.48	2500	-11.9	.2
2600	-11.5	.455	2600	-11.5	.208
2700	-11.6	.44	2700	-11.8	.2
2800	-13.2	.37	2800	-12.3	.19
2900	-14	.345	2900	-12.5	.185
3000	-16.8	.25	3000	-14	.155
3100	-28	.065	3100	-27.5	.032
3200	-34	.005	3200	-42.7	.0057

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ATTACHMENT "B"

Cycles	DB.	DBM	Cycles	DB	DBM
150	-24.8	-22	1900	-2.3	-1.9
200	-21.8	-18	2000	-2.3	-1.5
300	-5.3	-5.3	2100	-2.1	-2.5
350	-3.3	-3.3	2200	-2.8	-2.8
400	-2.8	-2.7	2300	-2.2	-1.8
450	-2.3	-2	2400	-2.8	-2.4
500	-2.1	-2.5	2500	-3.8	-3.9
550	-1.8	-2	2600	-4.3	-3.5
600	-1.7	-1.7	2700	-4.4	-3.8
650	-1.3	-1.4	2800	-6.3	-4.3
700	-1.2	-1	2900	-6.8	-4.5
800	-.9	-.5	3100	-20.8	-19.5
750	-1	-.9	3000	-9.6	-6
850	0	0	3200	-26.8	-34.7
900	0	0			
950	0	0			
1000	0	0			
1100	0	0			
1200	0	0			
1300	-.9	-.4			
1400	-1.2	-.8			
1500	-1.3	-.9			
1600	-1.3	-.9			
1700	-1.7	-1			
1800	-2.3	-1.9			

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